

## FORMALITIES LETTER



\*OC00000005033283\*

UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark OfficeAddress: COMMISSIONER OF PATENT AND TRADEMARKS  
Washington, D.C. 20231

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/497,552	02/03/2000	Guido M. Oliva	3572-15

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Date Mailed: 04/06/2000

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

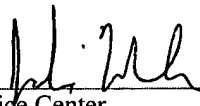
*Filing Date Granted*

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given TWO MONTHS from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.  
*Applicant must submit \$ 690 to complete the basic filing fee and/or file a small entity statement claiming such status (37 CFR 1.27).*
- Total additional claim fee(s) for this application is \$276.
  - \$198 for 11 total claims over 20.
  - \$78 for 1 independent claims over 3.
- The oath or declaration is missing.  
*A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.*
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- **The balance due by applicant is \$ 1096.**

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*A copy of this notice **MUST** be returned with the reply.*

  
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PART 2 - COPY TO BE RETURNED WITH RESPONSE

04/28/2000 NPRASASO 00000038 09497552

02 FC:101	690.00 OP
03 FC:105	130.00 OP
04 FC:102	78.00 OP
05 FC:103	198.00 OP



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**Europäisches  
Patentamt**

Zweigstelle  
in Den Haag  
Recherchen-  
abteilung

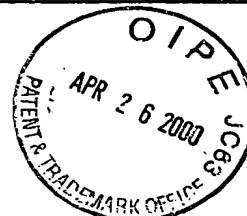
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Département à  
La Haye  
Division de la  
recherche

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Datum/Date

17.04.00

Zeichen/Ref./Réf. <b>DAL037BEP</b>	Anmeldung Nr./Application No./Demande n°/Patent Nr./Patent No./Brevet n°. <b>99830677.3-2217-</b>
Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire <b>DATALOGIC S.P.A.</b>	

## COMMUNICATION

The European Patent Office herewith transmits as an enclosure the European search report for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

☐ Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

The following specifications given by the applicant have been approved by the Search Division:

☐ abstract

☒ title

☒ The abstract was modified by the Search Division and the definitive text is attached to this communication.

The following figure will be published together with the abstract:

1

## REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.





DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	US 5 886 332 A (PLESKO GEORGE A) 23 March 1999 (1999-03-23)	1,2,6,7, 9,11-16, 21,22, 26-29	G06K7/10 G02B27/09 H01S5/02 G02B7/02 G11B7/135
Y	* column 5, line 12 - column 9, line 32 *	3-5,31	
A	* column 10, line 13 - line 59 * * column 18, line 22 - line 36; figures 1-3,7-10,15-17,22,23 *	8,10	
X	US 5 438 187 A (ARENDS THOMAS C ET AL) 1 August 1995 (1995-08-01)	1,2,26	
Y	* column 1, line 11 - line 18 * * column 3, line 47 - column 4, line 47 * * column 6, line 5 - column 7, line 21 * * column 8, line 48 - line 66; figures 1-3,6A,8 *	3-5	
X	US 5 751 679 A (YAMAKAWA AKIO ET AL) 12 May 1998 (1998-05-12)	1,11,12, 14,15,29	
	* column 4, line 13 - line 42 * * column 5, line 4 - line 40; figures 1A,,3 *		TECHNICAL FIELDS SEARCHED (Int.Cl.7)
X	EP 0 840 306 A (SAMSUNG ELECTRONICS CO LTD) 6 May 1998 (1998-05-06)	1,6,7, 27,29	G06K G02B H01S G11B H01L
A	* column 4, line 18 - line 29 *  * column 5, line 55 - column 6, line 6; figures 3,5,6 *	8-15,27, 28	
X	US 5 665 957 A (LEE CHUL-WOO ET AL) 9 September 1997 (1997-09-09)	1,6,7, 27,29	
A	* column 9, line 3 - column 10, line 40 *  * column 11, line 48 - line 57; figures 7-12 *	8-15,27, 28	
		-/--	
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 27 March 2000	Examiner Narganes-Quijano, F
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ----- & : member of the same patent family, corresponding document	

2

EPO FORM 1503 03.82 (P04C01)



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	EP 0 844 606 A (MATSUSHITA ELECTRIC IND CO LTD) 27 May 1998 (1998-05-27)	1,9,28	
A	* column 10, line 56 - column 12, line 15; figures 1,3A,3B *	10-13	
X	US 5 905 751 A (CHEN TONY K T ET AL) 18 May 1999 (1999-05-18)	30	
Y	* column 4, line 49 - column 10, line 6 *	31	
A	* figures 4,6-8 *	16-25	
Y	US 5 717 194 A (FORBES GREGORY WILLIAM ET AL) 10 February 1998 (1998-02-10)	3-5	
A	* abstract *	1,2	
	* column 2, line 18 - line 26; figures 11-14 *		
A	EP 0 534 222 A (SYMBOL TECHNOLOGIES INC) 31 March 1993 (1993-03-31)	3-5	
	* column 10, line 33 - line 44 *		
	* abstract *		
A	US 5 825 054 A (LEE BIING-JYE ET AL) 20 October 1998 (1998-10-20)	1,2, 17-20	TECHNICAL FIELDS SEARCHED (Int.Cl.7)
	* column 3, line 38 - line 46 *		
	* abstract; figures 1-5 *		
A	EP 0 366 984 A (SYMBOL TECHNOLOGIES INC) 9 May 1990 (1990-05-09)	22-25,31	
	* column 8, line 51 - column 10, line 31; figures 2-8 *		
A	EP 0 555 872 A (CANON KK) 18 August 1993 (1993-08-18)	16-25, 30,31	
	* page 3, line 3 - page 4, line 47; figure 1 *		
		-/--	
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
MUNICH		27 March 2000	Narganes-Quijano, F
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone		T : theory or principle underlying the invention	
Y : particularly relevant if combined with another document of the same category		E : earlier patent document, but published on, or after the filing date	
A : technological background		D : document cited in the application	
O : non-written disclosure		L : document cited for other reasons	
P : intermediate document		& : member of the same patent family, corresponding document	

2

EPO FORM 1503 03.92 (P04C01)



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
A	US 5 111 476 A (HOLLENBECK WILLIAM E ET AL) 5 May 1992 (1992-05-05) * abstract; figures 1-7 *	16-25, 30,31	
A	US 5 283 802 A (HSIUNG BEAR) 1 February 1994 (1994-02-01) * abstract; figures 1-11 *	1,2, 16-25, 30,31	
A	US 5 734 514 A (HAN KI SOO) 31 March 1998 (1998-03-31) * column 2, line 8 - line 40; figures 1,2 *	22-25	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
Place of search MUNICH		Date of completion of the search 27 March 2000	Examiner Narganes-Quijano, F
<div>CATEGORY OF CITED DOCUMENTS</div> <div><div>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</div><div>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons &amp; : member of the same patent family, corresponding document</div></div>			

2

EPO FORM 1503 03.02 (P04C01)

# ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 99 83 0677

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on  
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

27-03-2000

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5886332 A	23-03-1999	US 5550367 A EP 0904578 A WO 9743731 A US 5864128 A US 5880452 A	27-08-1996 31-03-1999 20-11-1997 26-01-1999 09-03-1999
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EPO FORM P0469

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 99 83 0677

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
The members are as contained in the European Patent Office EDP file on  
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

27-03-2000

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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XS 9983067710 MA

ABSTRACT / ZUSAMMENFASSUNG / ABREGE

99830677.3

The invention relates to an optical device for focusing a laser beam, comprising a source of emission of a laser beam, for example a substantially elliptic and astigmatic laser beam, a focusing lens of the laser beam and first means adapted to select a central portion of the laser beam. Said first means are directly applied on the focusing lens, and they comprise coating means made of a substantially opaque material which are applied (for example, by spraying, sputtering, evaporation, printing, painting) on a peripheral portion of a front surface of the focusing lens so as to allow the propagation of the central portion of the laser beam and obstruct the propagation of a surrounding portion of beam. The device of the invention is extremely simple from the constructive point of view, and is inexpensive and small-sized. The invention also relates to a method and an apparatus for assembling the optical device, in which the laser source is automatically positioned in optical alignment with the focusing lens.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

*\$Sector*

In re Patent Application of:

Attention: Application Branch

OLIVA

Atty. Dkt. 3572-15

Serial No. 09/497,552

Filed: February 3, 2000

Date: April 26, 2000

For: OPTICAL DEVICE, LENS AND OPTICAL ELEMENT FOR  
FOCUSING A LASER BEAM AND APPARATUS AND  
METHOD FOR ASSEMBLING THE OPTICAL DEVICE

Assistant Commissioner for Patents  
Washington, D.C. 20231



The attached completes filing of the above-identified patent application:

- ☒ Signed Rule 63 Declaration alone OR
- ☐ Signed Declaration plus attached copy of originally filed specification/drawings.
- ☒ **NOTICE TO FILE MISSING PARTS OF APPLICATION FILING DATE GRANTED** form.
- ☒ Record and return the attached assignment.
- ☒ Priority is hereby claimed per Rule 55 & 35 USC119 based on prior foreign application(s) Nos.:
- | Application Nos. | Country | Filing Date     |
|------------------|---------|-----------------|
| 99830677.3       | EP      | 26 October 1999 |

respectively.

- ☐ This application is based on the following prior provisional application(s):
- | Application No. | Filing Date |
|-----------------|-------------|
|-----------------|-------------|

respectively and priority is hereby claimed therefrom.

Certified copy(ies) of foreign and/or provisional application(s): ☐ attached; ☐ already filed on \_\_\_\_\_  
in U.S. Application Serial No. \_\_\_\_\_, filed on \_\_\_\_\_.

- ☐ The undersigned verifies that the above-identified application is identical to: filed \_\_\_\_\_, as amended on \_\_\_\_\_.
- ☐ Verified Statement attached establishing "small entity" status (Rules 9 & 27)
- ☒ Also attached: Information Disclosure Statement

**Fees are attached as calculated below:**

Basic filing fee				\$	690.00
Total Effective claims	31	- 20 =	11	x \$	18.00
Independent claims	4	- 3 =	1	x \$	78.00
If any proper multiple dependent claims now added for first time, add \$260.00 (ignore improper)					\$ 0.00
<b>FILING FEE</b>					\$ 966.00
Petition is hereby made to extend the current due date so as to cover the filing date of this paper and attachment(s) (\$110.00/1 month; \$380.00/2 months; \$870.00/3 months; \$1360.00/4 months)					\$ 0.00
Surcharge (\$130.00) if Declaration or filing fee first now submitted					\$ 130.00
<b>FIRST SUBTOTAL</b>					\$ 1,096.00
If "small entity," enter half (½) of subtotal and subtract					-\$ 0.00
<b>SECOND SUBTOTAL</b>					\$ 1,096.00
Assignment Recording Fee (\$40.00)					\$ 40.00
<b>TOTAL FEE ENCLOSED</b>					\$ 1,136.00

Any future submission requiring an extension of time is hereby stated to include a petition for such time extension. The Commissioner is hereby authorized to charge any deficiency in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our **Account No. 14-1140**. A duplicate copy of this sheet is attached.

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By Atty: Stanley G. Spooner, Reg. No. 27,393

Signature: \_\_\_\_\_